

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims:

---

a. Claim 1 (Currently Amended): A semiconductor light emitting element having a resonator composed of paired multi-layer reflecting films disposed at a constant distance on a GaAs substrate and having a light emitting layer disposed at a loop position of a standing wave in the resonator, wherein ~~relative to the light emitting layer,~~ a multi-layer reflecting film on the GaAs substrate side of the light emitting layer is composed of plural layers of  $\text{Al}_x\text{Ga}_{1-x}\text{As}$  ( $0 \leq x \leq 1$ ) and a multi-layer reflecting film on the other ~~opposite to the GaAs substrate side~~ of the light emitting layer is composed of plural layers of  $\text{Al}_y\text{Ga}_z\text{In}_{1-y-z}\text{P}$  ( $0 \leq y \leq 1, 0 \leq z \leq 1$ ).

Claim 2 (Original): A semiconductor light emitting element as defined in claim 1, wherein the light emitting layer is composed of a single- or multi-layer film of  $\text{Al}_y\text{Ga}_z\text{In}_{1-y-z}\text{P}$  ( $0 \leq y \leq 1, 0 \leq z \leq 1$ ).

Claim 3 (Currently Amended): A semiconductor light emitting element as defined in claim 1 or 2, wherein a current constricting structure of an insulation layer ~~or the same~~ ~~conductive layer as the GaAs substrate~~ is disposed above the light emitting layer.

Claim 4 (Withdrawn): A semiconductor light emitting element as defined in claim 3, wherein the current constricting structure is formed by a layer of  $\text{Al}_x\text{Ga}_{1-x}\text{As}$  ( $0 \leq x \leq 1$ ).

Claim 5 (Original): A semiconductor light emitting element as defined in claim 3,  
wherein the current constricting structure is formed by a layer of  $\text{Al}_y\text{Ga}_z\text{In}_{1-y-z}\text{P}$   
( $0 \leq y \leq 1, 0 \leq z \leq 1$ ).

Claim 6 (Canceled)

a' Claim 7 (Withdrawn) A semiconductor light emitting element as defined in claim 3 6,  
wherein the current diffusion layer is formed by a layer of  $\text{Al}_x\text{Ga}_{1-x}\text{As}$  ( $0 \leq x \leq 1$ ).

Claim 8 (Canceled)

Claim 9 (Withdrawn): A semiconductor light emitting element as defined in claim 3 6,  
wherein the current diffusion layer is formed by a transparent electrode having the transmittance  
of the emitted light, which transmittance is not less than 50%.

Claim 10 (Currently Amended) A semiconductor light emitting element as defined  
in ~~any one of claims 1 to 9~~ claim 1, wherein the GaAs substrate has a surface inclined at an angle  
of not less than 2 degrees in the direction  $[0\ 1\ 1]$  or  $[0\ -1\ -1]$  from the plane  $(1\ 0\ 0)$ .

Claim 11 (New): A semiconductor light emitting element as defined in claim 1 or 2,  
wherein a current constricting structure of the same material as the GaAs substrate is disposed  
above the light emitting layer.

Claim 12 (New): A semiconductor light emitting element as defined in claim 11, wherein a current diffusion layer is formed above the layer forming the current constricting structure.

a' Claim 13 (New): A semiconductor light emitting element as defined in claim 12, wherein the current diffusion layer is formed by a layer of  $\text{Al}_y\text{Ga}_z\text{In}_{1-y-z}\text{P}$  ( $0 \leq y \leq 1, 0 \leq z \leq 1$ ).

Claim 14 (New): A semiconductor light emitting element as defined in claim 4, wherein a current diffusion layer is formed above the layer forming the current constricting structure.

Claim 15 (New): A semiconductor light emitting element as defined in claim 14, wherein the current diffusion layer is formed by a layer of  $\text{Al}_y\text{Ga}_z\text{In}_{1-y-z}\text{P}$  ( $0 \leq y \leq 1, 0 \leq z \leq 1$ ).

Claim 16 (New): A semiconductor light emitting element as defined in claim 5, wherein a current diffusion layer is formed above the layer forming the current constricting structure.

Claim 17 (New): A semiconductor light emitting element as defined in claim 16, wherein the current diffusion layer is formed by a layer of  $\text{Al}_y\text{Ga}_z\text{In}_{1-y-z}\text{P}$  ( $0 \leq y \leq 1, 0 \leq z \leq 1$ ).

Claim 18 (New): A semiconductor light emitting element, comprising:  
a substrate;  
a light emitting layer; and  
a resonator comprising first and second reflecting films disposed on opposite sides of the light emitting layer, wherein the first reflecting film comprises  $\text{Al}_x\text{Ga}_{1-x}\text{As}$  ( $0 \leq x \leq 1$ ) and the second reflecting film comprises  $\text{Al}_y\text{Ga}_z\text{In}_{1-y-z}\text{P}$  ( $0 \leq y \leq 1, 0 \leq z \leq 1$ ).

a,  
Claim 19 (New): A semiconductor light emitting element as defined in claim 18, wherein the light emitting layer comprises one or more films of  $\text{Al}_y\text{Ga}_z\text{In}_{1-y-z}\text{P}$  ( $0 \leq y \leq 1, 0 \leq z \leq 1$ ).

Claim 20 (New): A semiconductor light emitting element as defined in claim 18, further comprising:  
a current constricting layer provided on the side of the light emitting layer opposite the side on which the substrate is provided.

Claim 21 (New): A semiconductor light emitting element as defined in claim 20, wherein the current constricting layer comprises an insulating layer.

Claim 22 (New): A semiconductor light emitting element as defined in claim 20, wherein the current constricting layer comprises the same material as the substrate.

Claim 23 (New): A semiconductor light emitting element as defined in claim 20,  
further comprising:

a current diffusion layer formed on the current constricting layer.

Claim 24 (New): A semiconductor light emitting element as defined in claim 23,  
wherein the current diffusion layer comprises  $\text{Al}_y\text{Ga}_z\text{In}_{1-y-z}\text{P}$  ( $0 \leq y \leq 1$ ,  $0 \leq z \leq 1$ ).

91  
Claim 25 (New): A semiconductor light emitting element as defined in claim 18,  
wherein the substrate comprises a GaAs substrate having a surface inclined at not less than 2  
degrees in the direction  $[0\ 1\ 1]$  or  $[0\ -1\ -1]$  from the plane  $(1\ 0\ 0)$ .

Claim 26 (New): A semiconductor light emitting element as defined in claim 18,  
wherein the resonator has a resonant wavelength of 650 nm.

Claim 27 (New): A semiconductor light emitting element as defined in claim 18,  
wherein the length of the resonator is 1.5 times the resonant wavelength of the resonator.

Claim 28 (New): A semiconductor light emitting element as defined in claim 18,  
wherein the first multi-layer reflecting film is disposed on the same side of the light emitting  
layer as the substrate.

---